



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): John C. Harvey, James W.  
Cuddihy

Serial No.: 08/113,329

Filing Date: 30 Aug 93

For: Signal Processing Apparatus and Methods

Group Art Unit: 2202

Examiner: D. Cain

GROUP 260  
2602

#S  
Rose  
6-26-94

Commissioner of Patents and Trademarks  
Washington D.C. 20231

**RECEIVED**

JUN 10 1994

**INFORMATION DISCLOSURE STATEMENT**

**GROUP 2200**

SIR:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Copies of the listed references are provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATION AND/OR FEE**

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,

Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: June 6, 1994

HOWREY & SIMON  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-2402  
(202) 783-0800 (telephone)  
(202) 383-6610 (telecopier)